

- 14 -

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A wireless communications system comprising:

5 at least one radio transceiver collectively
configured to communicate on a first radio channel and a
second radio channel;

 at least one base transceiver unit (BTU)
respectively configured to communicate with said at least
10 one radio transceiver; and

 a client transceiver unit (CTU) configured to
communicate with said at least one BTU, said CTU being
configured to communicate on said first and second radio
channels via said at least one radio transceiver and said
15 at least one BTU, said CTU comprising at least one speaker
for enabling a user to listen to communications on said
first and second radio channels concurrently.

2. A wireless communications system as claimed in claim 1
20 wherein:

 said at least one radio transceiver comprises a
first radio transceiver configured to communicate on said
first radio channel and a second radio transceiver
configured to communicate on said second radio channel;

25 said at least one BTU comprises a first BTU
configured to communicate with said first radio
transceiver and a second BTU configured to communicate
with said second radio transceiver;

 said CTU is configured to communicate on said
30 first radio channel via said first radio transceiver and
said first BTU; and

 said CTU is configured to communicate on said
second radio channel via said second radio transceiver and
said second BTU.

35

3. A communications system as claimed in claim 1 wherein
said CTU comprises a headset which carries said at least

- 15 -

one speaker, said headset having a first speaker for enabling said user to listen to said first radio channel with one ear and a second speaker for enabling said user to listen to said second radio channel with the other ear.

5

4. A communications system as claimed in claim 1 wherein said CTU comprises a first speaker for enabling said user to concurrently listen to said first and second radio channels.

10

5. A communications system as claimed in claim 1 wherein said CTU comprises a microphone to enable said user to speak on said first and second radio channels, and switching means for enabling said user to select on which of said first and second radio channels said user is able to speak.

6. A communications system as claimed in claim 5 wherein said switching means comprises:

20 a first push-to-talk (PTT) switch for enabling said user to speak on said first radio channel; and

 a second PTT switch for enabling said user to speak on said second radio channel;

25 wherein said user is able to speak on said first radio channel when said first PTT switch is activated and said user is able to speak on said second radio channel when said second PTT switch is activated.

30 7. A communications system as claimed in claim 6 wherein said user is able to concurrently speak on said first and second radio channels when said first and second PTT switches are activated concurrently.

35 8. A communications system as claimed in claim 1 wherein said CTU is configured to wirelessly communicate with said a least one BTU.

- 16 -

9. A communications system as claimed in claim 8 wherein bluetooth protocol is used when communicating between said CTU and said first and second BTUs.

5 10. A communications system as claimed in claim 1 wherein each BTU is configured to communicate with each respective radio transceiver via a wired link.

10 11. A wireless communications system as claimed in claim 1 wherein:

said at least one radio transceiver comprises one radio transceiver configured to communicate on a first radio channel and a second radio channel;

15 said at least one BTU comprises one BTU configured to communicate with said radio transceiver; and said CTU is configured to communicate on said first and second radio channels via said radio transceiver and said BTU.

20 12. A wireless communications system as claimed in claim 11 wherein said CTU comprises a headset which carries said at least one speaker, said headset having a first speaker for enabling said user to listen to said first radio channel with one ear and a second speaker for enabling
25 said user to listen to said second radio channel with the other ear.

13. A client transceiver unit (CTU) configured to communicate with at least one base transceiver unit (BTU),
30 said at least one BTU respectively being configured to communicate with at least one radio transceiver, said at least one radio transceiver collectively being configured to communicate on a first radio channel and a second radio channel, said CTU thereby being configured to communicate
35 on said first and second radio channels via said at least one radio transceiver and said at least one BTU, said CTU comprising at least one speaker for enabling a user to

- 17 -

listen to communications on said first and second radio channels concurrently.

14. A CTU as claimed in claim 13 wherein:

5 said at least one radio transceiver comprises a first radio transceiver configured to communicate on said first radio channel and a second radio transceiver configured to communicate on said second radio channel;

 said at least one BTU comprises a first BTU
10 configured to communicate with said first radio transceiver and a second BTU configured to communicate with said second radio transceiver;

 said CTU is configured to communicate on said first radio channel via said first radio transceiver and
15 said first BTU; and

 said CTU is configured to communicate on said second radio channel via said second radio transceiver and said second BTU.

20 15. A CTU as claimed in claim 13 comprising a headset which carries said at least one speaker, said headset having a first speaker for enabling said user to listen to said first radio channel with one ear and a second speaker for enabling said user to listen to said second radio
25 channel with the other ear.

16. A CTU as claimed in claim 13 comprising a first
30 speaker for enabling said user to concurrently listen to said first and second radio channels.

17. A CTU as claimed in claim 13 comprising a microphone to enable said user to speak on said first and second radio channels, and switching means for enabling said user to select on which of said first and second radio channels
35 said user is able to speak.

18. A CTU as claimed in claim 17 wherein said switching

- 18 -

means comprises:

a first push-to-talk (PTT) switch for enabling said user to speak on said first radio channel; and

5 a second PTT switch for enabling said user to speak on said second radio channel;

wherein said user is able to speak on said first radio channel when said first PTT switch is activated and said user is able to speak on said second radio channel when said second PTT switch is activated.

10

19. A CTU as claimed in claim 18 wherein said user is able to concurrently speak on said first and second radio channels when said first and second PTT switches are activated concurrently.

15

20. A CTU as claimed in claim 13 wherein said CTU is configured to wirelessly communicate with said at least one BTU.

20 21. A CTU as claimed in claim 20 wherein bluetooth protocol is used when communicating between said CTU and said at least one BTU.

22. A CTU as claimed in claim 13 wherein:
25 said at least one radio transceiver comprises one radio transceiver configured to communicate on a first radio channel and a second radio channel;
said at least one BTU comprises one BTU configured to communicate with said radio transceiver; and
30 said CTU is configured to communicate on said first and second radio channels via said radio transceiver and said BTU.

23. A CTU as claimed in claim 22 comprising a headset
35 which carries said at least one speaker, said headset having a first speaker for enabling said user to listen to said first radio channel with one ear and a second speaker

- 19 -

for enabling said user to listen to said second radio channel with the other ear.